Fujitsu Siemens Computers GmbH

openFT, openFT-FTAM, openFT-FTP for Windows Server 2003/2008, XP, Vista
Version 10.0A40
August 2008

Release Notice

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1 General
1.1 Ordering
1.2 Delivery
1.3 Documentation
2 Software extensions
3 Technical information
3.1 Resource requirements
3.2 Software configuration
3.3 Product installation
3.4 Product use
3.5 Obsolete functions (and those to be discontinued)
3.6 Incompatibilities
3.7 Restrictions
3.8 Procedure in the event of errors
4 Hardware support
5 Firmware levels

1 General

This file contains important information, that is not included in the Product Information Sheet or the documentation, on the use of openFT V10.0A40, openFT-FTAM V10.0A40 and openFT-FTP V10.0A40 under the Windows Server 2003/2008, XP, Vista operating system.

The release level is that of August 2008.

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For more information on openFT, see http://www.fujitsu-siemens.com/openft

The Release Notice is shipped on the product medium.

This Release Notice is also available online at
http://manuals.fujitsu-siemens.com

If one or more previous versions are skipped when this product version is used, the information in the Release Notices (and README files) of the previous versions must also be noted.

Open Source modules are used in conjunction with the tool command library and the graphical user interface.
The associated files are not subject to the openFT license and can be copied and passed on without restrictions as long as the relevant license conditions are observed.
The following files are concerned:
- ft_tar, ft_gzip, ft_diff and cygwin1.dll in the ..\openFT\bin directory

License: GNU Public License
The source update levels and the sources that have been modified from the original state are available in a directory on the product CD.
- All files in the ..\openFT\TclTk directory and its subdirectories
License conditions: in the file TclTk.license.terms.txt
- All files in the ..\openFT\scripts\lib directory
License conditions: in each script header
- All files in the ..\openFT\deskbin\ gdi, hdc and printer directories
License conditions: in the file readme.txt
The author of printer support for Tcl/Tk scripts is
Michael I. Schwartz (mschwart@nyx.net)

1.1 Ordering

openFT V10.0 is available from your local distributors. This software product is subject to the general terms and conditions of the software use and service agreement.

This delivery unit is a licensed product. The product may only be used on the workstation or server for which a license was purchased. Please note that a special license is required for FTAM and FTP.

1.2 Delivery

Delivery of files for openFT, openFT-FTAM and openFT-FTP on CD-ROM:
- openFT V10 08.2008

1.3 Documentation

The CD-ROM contains a pdf file with a general introduction to openFT and a description of the program interfaces. A product and functional description on the use of openFT V10 and PCMX-32 is provided in the online help system.

The documentation is also available as an online manual at http://manuals.fujitsu-siemens.com

2 Software extensions

2.1 Partner addressing

Partners can be managed in a partner list. The following new commands are available for this purpose: ftaddptn, ftremptn, ftshwptn and ftmodptn.

2.2 Enhanced support for coded character sets (CCS)

openFT supports Unicode. Unicode files can be read in the openFT Explorer and, as of openFT V10, can be exchanged with partners.

2.3 Support for IP V6

As of openFT V10, partners can be addressed via IPv6 addresses.

2.4 Support for ftp protocol

openFT supports file transfer and file management with ftp servers.
If openFT is used as an ftp server, FTAC functions as well as preprocessing and postprocessing can be employed.

2.5 Enhanced directory management

Remote directories can be created, renamed and deleted using the following new commands: ftcredir, ftmoddir and ftdeldir.

2.6 New openFT-Script script interface

openFT-Script is an XML-based language that combines logically interdependent openFT requests and operating system calls into a single request.
openFT-Script provides not only execution control and context management but also automatic restart in the event of an interruption as well as load

balancing in clusters.
The following new commands are available to manage openFT-Script: ftscript, ftcans, ftdels, ftshws and ftshwact (see openFT-Script manual).

2.7 Other changes

New commands (ftcanr and ftshwr) to manage requests. These replace the discontinued commands ftc and fti -q.

New commands (ftmodo and ftshwo) to set and display operating parameters. These replace and enhance the discontinued commands fta and fti -p.

New commands (ftcrek and ftdelk) to create and delete key pair sets. These replace the functionality of the discontinued fta command.

New commands (ftstart and ftstop) to start and stop the asynchronous openFT Server. These replace the functionality of the discontinued fta command.

All openFT traces are now edited with the fttrace command. The command has been enhanced for this purpose.

The message system has been modified (new message numbers/return codes, new texts).

Remote administration is possible via the graphical user interface.

As of V10.0A20 names of trace files for server processes have been changed as follows:
The process ID (part of trace file name) is replaced by an indicator with sequential number (*I<index+1> instead of *<pid>).

As of V10.0A30 the maximum RSA key length is 2048 bit.

As of V10.0A30 log records of type l can be selected by ftshwl.
Therefore the option -ff= of command ftshwl has been extended by 'l'.
Syntax: ftshwl -h |
...
[-ff=[t][m][r][d][a][C][D][M][l]]

3 Technical information

3.1 Resource requirements

The required hard disk space is approx. 36 Mbytes (including standard instance). At least 4 Mbytes are required for each further instance (default settings). An instance immediately requires approx. 378 MB if the number of requests is increased to 32,000.

3.2 Software configuration

The following products are required to use openFT V10 for Windows:
Windows Server 2003
Windows Server 2008
Windows XP
Windows Vista
At least JAVA V1.4.2_07 is required to use the JAVA interface. In order to use the openFT-Script interface it is necessary to install the enhanced language version of the Java runtime system or of the Java development environment with Version 1.4.2_07 or higher.

3.3 Product installation

openFT Version 10.0 must be installed under Windows using the Windows Installer from Microsoft. At least Version 2.0.2600.2 of the Windows Installer is required. This is included in the setup.exe installation

package for purposes of interactive installation (it is installed if necessary). Windows Installer 2.0 is not included in the openFT.msi installation package for unattended installation and must therefore first be installed by the administrator if it is needed.

openFT V10.0 can be installed interactively (with user guidance) or unattended. The PCMX-32 V5.0A3060 product required to use openFT is installed automatically by the openFT installation package during interactive installation. If openFT is installed unattended, the required PCMX-32 product cannot be installed automatically and must therefore be installed before openFT itself is installed.

openFT-CR may not be installed until after openFT.

Installation of the SNMP topic requires an installed Microsoft SNMP Server.

A network drive must not be specified as the installation path.

3.3.1 Initial installation
Installation is performed interactively. Selection options are FTAM, FTP, installation paths.
The host name (ftmodo -p=) and the identification (ftmodo -id=) are set automatically during initial installation. You should check that these values are correct.

3.3.2 Update installation (migration from V8.x)
Admissions sets and admission profiles are taken from the previous version. Due to the new authentication topic it was necessary to modify the FTAC security levels. Security level 1 is automatically changed to security level 90 when migrating from openFT V8.0 to V10.
The diagnostics file and the trace files are deleted during updating.
Existing active openFT instances are transferred and updated automatically. If update installation is performed without rebooting the system, you are informed immediately of the result of instance updating. If a system reboot is needed, the instances are updated after the reboot. If errors occur, a ftupdi-<instance>.log file with corresponding error messages is created for each instance in the ...\Program Files\openFT directory. After each update installation with reboot you should check whether there are ftupdi-<instance>.log files in the ...\Program Files\openFT directory. If so, the instances must be updated manually using the ftupdi <directory> command. The associated ftupdi-<instance>.log file can be deleted after a manual update.

After an update installation you have to start openFT with the ftstart command. For automatically start each time the openFT service is started choose "Start Asynchronous Server Automatically" using openFT Explorer -> Administration -> Operating Parameters...
-> "Common" Tab.

Update installation from V6/V7 to V10 is not supported. These earlier versions must be deinstalled before installing V10. Please remember to export the profiles (using ftexpe) before starting deinstallation.

3.3.3 Updating/repairing an installed openFT V10
All running openFT V10 applications must be closed before starting installation. The version already installed is automatically detected and updated.
Note: All existing settings are retained.

Subsequent deinstallation/installation of the add-on products openFT-FTAM, openFT-FTP and SNMP is performed using Control Panel->Software->openFT.
Installation of the SNMP topic requires an installed Microsoft SNMP Server.

It is also possible to repair the existing installation using
Control Panel->Software->openFT.

3.3.4 Unattended installation
PCMX-32 and openFT can also be installed unattended using the msiexec command. Note that PCMX-32 must be installed prior to installing openFT. The "openFT.msi" and "PCMX-32.msi" files are located in the "openFT\Unattended_installation" directory on the product CD.

Possible Windows Installer properties:
ADDLOCAL: ADDLOCAL is used to specify which optional features are installed. Possible values are FTAM, FTP, SNMP, ALL.
If ADDLOCAL is not specified, only the openFT protocol is installed by default.
TRANSFORMS: Specifying the TRANSFORMS property sets the German language version of openFT. It is then necessary to specify openFTde.mst, the name of the language transform for German. If TRANSFORMS is not specified, the English version is installed by default.

openFT properties:
INSTALLDIR: The INSTALLDIR property enables you to specify the installation directory for openFT. By default, openFT is installed in the %ProgramFiles%\openFT directory. The INSTALLDIR property can also be specified with the PCMX-32.msi package for unattended PCMX-32 installation.
Note: You must not specify network drive paths or UNC paths as the installation path (INSTALLDIR).

Examples:
You start unattended installation of PCMX-32 without user interaction with
msiexec /i PCMX-32.msi /qn

You start unattended installation of the German language version of openFT (without user interaction) in the default directory %Program Files%\openFT with
msiexec /i openFT.msi TRANSFORMS=openFTde.mst /qn

Enter the following command to start unattended installation without user interaction of the German language version of openFT including FTAM protocol and SNMP in the default directory:
msiexec /i openFT.msi ADDLOCAL=FTAM,SNMP TRANSFORMS=openFTde.mst /qn

Note: If you select unattended installation (e.g. option /qn or /qb!-), the system is restarted automatically by the Windows Installer if necessary. You can suppress restart by setting the /norestart option (Windows Installer 3.0 or higher) or the property REBOOT=ReallySupress.

3.3.5 Deinstallation
openFT, openFT-CR and PCMX-32 can only be deinstalled separately. This must be done in the following order using Control Panel/Software:
1. openFT-CR (if installed)
2. openFT
3. PCMX-32

3.4 Product use
If you want to use encryption of user data, you must install the openFT-CR V10.0 for Windows delivery unit for export legislation reasons.

openFT V10 for Windows implicitly includes the functionality of PCMX-32, FTAM and FTP. If you want to use the FTAM and FTP functionality, you need

only purchase the corresponding license (see 1.).

An FTAC admission must be specified as user name for a connection FTP / openFT-FTP. A Password must not be specified (confirm password request with enter).

Under Windows Server 2003/2008, XP and Vista all processes are started by default with appropriately set access rights in a separate, invisible WindowStation\Desktop generated by openFT. Consequently, all started processes are invisible and interactive operation of the applications is no longer possible. The start mode can be set on Windows XP using the "WSTATION" value of type REG_SZ in HKLM\Software\Siemens\openFT\CurrentVersion:

0: (default) All processes are started with appropriately set access rights in a separate, invisible WindowStation\Desktop generated by openFT. It is not possible to control the started applications interactively.
1: All processes are started to WinSta0\Default, the WindowStation\Desktop of the interactive user. All applications of all users started as pre-, post or follow-up processing commands by openFT are visible and controllable! The WinSta0\Default access rights assigned by default by the logon process are changed accordingly to facilitate starting to WinSta0\Default.
2: Processes of users with administrator rights are started to WinSta0\Default. Processes of users without administrator rights are started in an invisible WindowStation\Desktop generated by the operating system.

The openFT service must be terminated and restarted after the "WSTATION" value has been changed.

It is not possible to start a process directly in a terminal server session.

If problems occur during connection setup to external implementations (RFC1006 of
the external implementation does not accept user data), set the system variable NOCONRSUDATA to 1 before starting the openFT Server. This disables connection setup optimization. The environment variable must be defined in the system variables.

Automation for FTAM partners (FTAC standard profile):
An FTAC standard profile can be created for each ID of FTAM partners who specify a fixed access authorization structure for their partners. The access rights can be defined via this profile for all inbound requests for which ID and password were specified instead of FTAC access rights. This allows the parameters that can be set in an FTAC profile to be set by default for all accesses to an ID (e.g. follow-up processing, partners, etc.).
The only restriction is that standard profiles cannot be additionally accessed via an FTAC access authorization. This means that it is not permitted to specify an access right other than @n, or valid (-v), expiration date (-d) or usage (-u) when creating or modifying a standard profile.
Standard profiles are accessed at the command interface with the name "@s". The profile name "*STD" may also be used in the graphical user interface.

Administering openFT via SNMP:
The file "openFT\Docs\English\SNMPSupport.pdf" on the product CD contains information on administering openFT via SNMP.

For information on the configuration of X.25 or ISDN, see the online help of PCMX-32. For an annotated example of Eicon card configuration, see the file "openFT\Docs\English\X25-ISDN.pdf" on the product CD.

For information on openFT on Windows Cluster, see file "openFT\Docs\English\openFT_on_Cluster.pdf" on the product CD.

Executing a sample of the samples directory (OCXDEMO) returns
a DLL error:
If calling the Visual Basic example from the samples directory results in a DLL error, then the Visual Basic runtime system should be re-installed. The program VBRun60sp5.exe in the directory "openFT\Tools\VBrun" on the product CD installs the necessary Visual Basic 6.0 runtime files. For more detailed information on installation, see the file "openFT\Tools\VBrun\VBrun_readme.htm" on the product CD.

Information on the use of ISDN CAPI TP0:
Information is provided in the PCMX-32 help system under "Configuration of the ISDN CAPI TP0 transport system".
Information on the configuration settings for openFT FTAM connections to the Landeszentralbanken (German central state banks)/Testzentrum (test center) is provided in German in the "\openFT\Docs\Deutsch\LZB-Kopplung.pdf" file on the product CD.
Additional information on the use of ISDN cards:
a) AVM Fritz!Card, AVM FRITZ!Card USB 2.0, AVM B1
A maximum of two X.25 connections is possible per B channel.
b) Eicon/Dialogic DIVA Pro 2.0
With the current driver versions, one X.25 connection is possible per B channel. With the new DIVA Client Version 2.50, up to eight X.25 connections are possible via a B channel. For the DIVA Server cards, you require Version 3.02 or higher for eight X.25 connections via a B channel.

3.4.1 Eicon/Dialogic

The "Connections for ISO Transport" software is required to operate Eicon/Dialogic X.25 cards. As of release V6R4 the "Connections for Windows" software can also be used, because the "ISO Transport" protocol required by openFT has been added. Use the Eicon/Dialogic configuration program of the driver and check if the protocol "Transport ISO" exists and can be selected under "High Level Protocols". In this case, the driver can be used by openFT. Both drivers "Connections for ISO Transport V6R4" and "Connections for Windows V6R4" do have problems when establishing ISDN connections with certain X.25 cards (like the C91 V2) up to software build 281. In this case we recommend to use the "Connections for ISO Transport V5R7" software until the bug has been fixed by Eicon/Dialogic.

The drivers can be downloaded from the Eicon/Dialogic Web site. More information is provided at http://www.eicon.com and http://www.dialogic.com.

3.4.2 X.25 Stack of Packetware/Streamsoft

More information on OSI-WAN of Packetware is provided at http://www.packetware.com.

3.4.3 X.25 Stack of FarSite Communications

More information on FarSync X.25 cards from FarSite Communications is provided at http://www.farsite.co.uk.

The version of the nbwan.sys file in directory %SystemRoot%\system32\drivers must be at least 1.6.6.3 if PCMX-32 is to use the FarSync X.25 card.

3.5 Obsolete functions (and those to be discontinued)

The following commands/functions are supported for the last time:
fta, ftc, fti
The following commands/functions are no longer supported:

ftrs

3.6 Incompatibilities
- Messages/exit codes: openFT V10.0A uses new values for exit codes in the request-oriented and administration commands (not in the FTAC commands). openFT V10 provides the option of setting the "OPENFTOLDXC" environment variable to return compatible exit codes so that existing procedures that interpret exit codes remain compatible.
- Option -x and the combination of option -x with -t or -b are not meaningful for send requests and are now rejected as incorrect syntax.
- Home directory of users under Windows:
  A new user home directory concept has been introduced in V10.
  The home directory of a user is the directory registered for the user ID in the User Manager. If no directory is registered there for the user, a search is made for \Documents\Settings\User. If the directory is not present, the following directory is used in \Documents and Settings:
  User-ID.system-name (for local IDs)
  User-ID.domain (for global IDs)
  If it is not present, it is created.
- A SAM-V file being fetched in binary mode from BS2000 to the local system will now be stored as a file with variable record format (user format, i.e. every record starts with a field containing the record length). To omit the record lengths fields in the local file (i.e. undefined record format), specify the options -b -r=u in the receive request.
  To remain compatibility with older openFT releases define the environment variable OPENFTOLDBIN before starting the ft resp. ncopy command or before starting an application that uses the program interface of openFT.

3.7 Restrictions
Not applicable

3.8 Procedure in the event of errors
If the event of errors, please contact the Call Management Center (CMC):
Service hotline: Mon.-Sun.: 0.00-24.00 (365 days per year)
Service hours: Mon.-Fri.: 8.00-17.00 (except public holidays)
Phone: +49 1805 4040
Fax: +49 1805 336779
Internet: https://serviceportal.fujitsu-siemens.com/esm/its.do
Please have the following information ready:
Address, ID number, purchase date, description of problem, etc.

4 Hardware support

openFT V10 can be used on the following systems:
PC, I586 processor or higher;
Boards: - LAN (TCP/IP), any (if driver available)
- RAS (TCP/IP) via any X.25 or ISDN (if driver available)
- X.25 / ISO TP02:
direct connection:
a) Eicon/Dialogic board C90 / C91 / C91 V2 / S90 / S91 / S91 V2 / S94 66MHz / S94 V2 / S94 PCIe (siehe Kapitel 3.4.1)
b) Packetware/DIGI (see section 3.4.2)
c) FarSync X.25 T-Series and M-Series (see section 3.4.3)

via ISDN:
a) Eicon/Dialogic card C91 / C91 V2 / S91 / S91 V2

Note: The transport system X.25 (Eicon/Dialogic) is currently available on

Windows 2000, Windows XP and Windows Server 2003.

- ISDN CAPI TP0: AVM FRITZ!Card, AVM FRITZ!Card USB 2.0, AVM B1, Eicon/Dialogic DIVA Pro 2.0 and all cards with a CAPI 2.0 compatible port support the ISO 8208 (X.25 DTE-DTE) protocol and are compatible with one of the tested cards.

  For notes on use, refer to section 3.1.

5 Firmware levels

Not applicable

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